

**Committee on Assessing Causality from a Multidisciplinary Evidence Base for
National Ambient Air Quality Standards
Board on Environmental Science and Toxicology
Board on Mathematical Sciences and Analytics
National Academies of Sciences, Engineering, and Medicine**

Agenda

July 19, 2021 (12:30 – 3:00 PM EDT)

Open Session

Session Objectives

- **Consider scientific critiques and alternatives to the current causality determination framework**

To connect:

Please register using the registration dropdown menu on this page:

<https://www.nationalacademies.org/event/07-19-2021/assessing-causality-from-a-multidisciplinary-evidence-base-for-national-ambient-air-quality-standards-meeting-2-session-1>. You will receive a webinar link from Eventbrite (please be sure it did not go to your junk mail). Email kbeins@nas.edu with any questions.

12:30 Welcome, introductions, review of study statement of task and session objectives

Liz Stuart, Committee Co-Chair

12:50 Scientific critiques of the causality determination framework

Moderator: Elizabeth Stuart, Committee Co-Chair

Louis Anthony Cox, Cox Associates Consulting

Julie Goodman, Gradient

Prompting Questions:

1. What are the scientific strengths and weaknesses of the current EPA framework used as the basis for conducting integrated science assessments (ISAs)?
2. What issues related to potential confounders need to be addressed when assessing causality?
3. What different or new advances for integrating and evaluating scientific evidence to inform causal determinations in the ISA should the committee investigate?

1:30 Panel discussion

Louis Anthony Cox, Cox Associates

Howard Feldman, American Petroleum Institute

Julie Goodman, Gradient

Giffe Johnson, National Council for Air and Stream Improvement

Ted Steichen, American Petroleum Institute

2:30 Public comment period

Participants can sign up during the meeting to provide 2-3 minutes of comments. The public comment session will be recorded and made available for future viewing by the committee and to the public.

3:00 Open session adjourns

Session 2
July 20, 2021 (4:00 - 6:00 PM EDT)
OPEN SESSION

Objectives:

- Investigate methods of evidence synthesis that might be applicable to the framework

To connect:

Please register using the registration dropdown menu on this page:

<https://www.nationalacademies.org/event/07-20-2021/assessing-causality-from-a-multidisciplinary-evidence-base-for-national-ambient-air-quality-standards-meeting-2-session-2>. You will receive a webinar link from Eventbrite (please be sure it did not go to your junk mail). Email kbeins@nas.edu with any questions.

4:00 Welcome, statement of task and meeting objectives

4:15 **Synthesizing evidence when assessing causality**

Moderator: Francesca Dominici, Harvard University

Sherri Rose, Stanford University

David Savitz, Brown University

Jon Samet, Colorado School of Public Health

Prompting questions

1. What issues related to potential confounders or other aspects of study design need to be addressed when assessing causality within the context of a particular study?
2. What are the scientific strengths and weaknesses of the current EPA framework as a platform for synthesizing evidence for integrated science assessments (ISAs)?
3. What different or new advances for integrating and evaluating scientific evidence to inform causal determinations in the ISA should the committee investigate?

Committee Q&A with panel

5:45 Public comment period

Participants can sign up during the meeting to provide 2-3 minutes of comments. The public comment session will be recorded and made available for future viewing by the committee and to the public.

6:00 Open session Adjourns